NEWSLINE

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Director Bruce Tarter to step down in 2002

Editor's note: As stated in today's "State of the Lab," presentation, Bruce Tarter announced his intention to step down as director of the Lab in 2002. Below is his resignation letter, which was sent to UC President Richard Atkinson.

Director Bruce Tarter today announced his intention to leave his position in 2002. His decision comes exactly seven years to the day he was named Laboratory Director by the Regents of the University of California.

"Exactly seven years ago, I began my official tenure as Lab director," said Tarter. "We've accomplished a great deal during this time and the Laboratory is in excellent shape. I believe that today's anniversary is an appropriate time to start the transition to my successor."

As the eighth director of LLNL, Tarter has served longer than any other predecessor, with the exception of Roger Batzel, the Laboratory's sixth director who served 17 years.

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More on 'State of the Lab' – Page 4

LAWRENCE LIVERMORE NATIONAL LABORATORY

December 7, 2001

President Richard C. Atkinson
University of California
1111 Franklin Street
Oakland, CA 94607-5200

Dear Dick,

The purpose of this letter is to inform you of my intention to step down as Director during the coming year. I will continue to serve as Director until you complete your search and selection process for my successor. While it is never easy to leave a position which has been so rewarding, I believe that the Lab has attained the record of accomplishments and stability which I hoped for upon becoming Director. I greatly appreciate the support that you have provided to me and the opportunity I have had to work with so many outstanding colleagues and friends.

Seven years ago today I was chosen as Laboratory Director after serving a little over seven months as Acting Director. During this period the Laboratory has experienced a wide array of challenges and has accomplished much. We have been a principal institution in developing the stockpile stewardship program with our special responsibilities for supercomputing and the National Ignition Facility. Our nonproliferation work has greatly expanded and has been particularly important in the nation's recent efforts to combat terrorism. And, we have made significant contributions to major technical endeavors ranging from the Human Genome Project to the commercial venture to develop extreme ultraviolet lithography. We have also substantially improved our operational quality in safety, security and business practices, and have responded to a number of issues in the area of human resources.

Overall, the Laboratory is now in excellent shape as reflected in our first ever grade of "outstanding" from both the University of California and the Department of Energy/National Nuclear Security Administration.

Consequently, I believe this is a good time to prepare for the transition to my successor. Originally, I had planned to step down somewhat earlier. However, as we agreed at the time, it was in the best interest of the Laboratory for me to continue until the issues that had arisen about the National Ignition Facility and concerns about security were resolved.

During my remaining tenure as Director, I will place special focus on the defining elements of the Laboratory: stockpile stewardship, the National Ignition Facility, efforts to counter weapons of mass destruction, and the human resource base on which all else depends. As you know we will celebrate our 50th Anniversary next September, and I will work to ensure that our commemoration of that event reflects our rich history as a vital national security institution and member of the University of California community.

It has been an extraordinary privilege to serve as Laboratory Director. I look forward to working with you in the coming months to ensure that the Laboratory remains a strong and stable institution in this transitional period.

Sincerely yours,

C. Bruce Tarter, Director

Bruce Tarter

"I believe that the Lab has attained the record of accomplishments and stability which I hoped for upon becoming Director."

Laboratory kicks off 50th anniversary plans

The Laboratory officially kicked off its plans to celebrate its 50th anniversary on Friday with the unveiling of a new celebration logo.

Director C. Bruce Tarter unveiled the logo during a special "state of the Laboratory" presentation, in which he outlined a number of activities that will mark the Lab's anniversary.

The logo, featuring the Lab's initials in red, white and blue, commemorates 50 years of "Making History, Making a Difference."

"We are calling attention to what will be a special year and a special milestone for our Laboratory," said Tom Isaacs, who directs the Laboratory's Office of Policy, Planning and Special Studies. Isaacs is also the chair of the Lab's 50th anniversary committee.

Lawrence Livermore National Laboratory
Making History Making a Difference
1952-2002

The logo will be used throughout the Lab's 50th year. The Lab officially celebrates its anniversary in September 2002. In coming months, the Lab will honor a half century of achievements via special panel discussions, various symposia, and a number of special publications commemorating Laboratory people and their scientific and technological contribu-

See **50th,** *page 7*

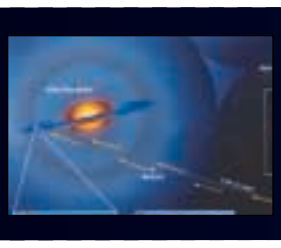
Hal Graboske announces he'll step down as AD for Chemistry, Materials Science

Harold C. Graboske, associate director for Chemistry and Materials Science since 1997, will step down once the search and selection process for a new associate director has been completed.

"I have been at the Lab since 1966," said Graboske. "And I am very proud of the work we do.

Harold C. Graboske

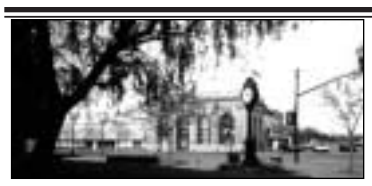
See **GRABOSKE,** *page 8*



Shedding light on dark matter — Page 3

Local charities head for HOME — Page 5

Survey teams seek out solutions — Page 7



LAB COMMUNITY NEWS

Weekly Calendar

Technical Meeting Calendar, page 7

Tuesday 11

A briefing on the **Lab's Undergraduate Scholarship Program** will be held at noon in Bldg. 571, room 2301 and again on Thursday at the same time in the same location. Full-time career employees are eligible to compete for the scholarhip if they are pursuing a degree considered of high value to the Lab's needs, have worked as a career employee for at least two years, have a minimum GPA of 3.0 and have applied for admission to the university where they want to finish their degree. Contact: Employee & Organization Developmnet Division, 4-5479.

Friday 14

The LLNL electron-positron Linac Facility will hold an **open house** 10 a.m. to 1 p.m. in Bldg. 194 to showcase new capabilities, including the new positron source, expected to be the most intense in the world. All Lab employees are invited. Contact: Dennis Slaughter, 2-6425.

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The **Engineering 2001 Holiday Card Fund** is now underway. To participate, simply donate the money you would otherwise spend on greeting cards for other employees. Your donation will be forwarded to the Senior Services Center of Livermore, which will use the money to purchase food certificates and baskets for needy seniors. Donations may be submitted to L-113 in cash or by check (payable to the Senior Services Center) and are due by Friday, Dec. 14. Contact: Marta Holm, 2-8870; Cheri Johnson, 4-6079; or Joan Gigliati, 3-9551.

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The Tri-Valley Technology Enterprise Center is hosting an **entrepreneurs forum** from noon to 1 p.m. in Trailer 3180. A panel of current and former LLNL employees who have taken their ideas and technology out into the business world will talk about their experiences. The panel will include Peter Fiske, co-founder of Rapt Industries, and Don Trimmer, co-founder of Delta Microsystems and Alacritus. Space is limited. RSVP to Leah Rogers 2-3538 or rogers11@llnl.gov.

Up & Coming

Brighter Holidays (formerly Brighter Christmas) is up and running again this year in a modified fashion. The focus is on a major food drive to provide goods to food banks and soup kitchens in the Alameda, Contra Costa, San Joaquin and San Francisco counties. If you are interested in getting a wrapped box for your building, contact Joanna Stadler, stadler1@llnl.gov or 2-7985. Filled boxes will be picked up on Wednesday, Dec. 19.

• • •

Employees are invited to the **"LLNL/Sandia Old-Fashioned Christmas Celebration and Sing-Along"** on Monday, Dec. 17, at noon the Bldg. 543 auditorium. In addition to singing your favorite carols, a local youth handbell choir will perform. Refreshments will be served. Contact: Bill Hart, 3-2460, or visit http://www.ncal.verio.com/~hbriley/bsg/BSG_Carols.htm

Traveling retirees visit longtime friends

By Bob Becker
LLNL RETIREE

RETIREES' CORNER

The holidays are here, and I hope that all Lab retirees have a very happy holiday season.

• • •

Bob Dann sent me an e-mail and wanted a copy of Del Crupp's outline of the Lab's activities. I'll send him a copy as soon as I get one returned. Bob finally received three copies of *Newsline* at one time. He thinks it was related to the mail problems in the D.C. area. Bob was in the Weapons Division under Marv Martin. His e-mail is dann1@friend.ly.net.

• • •

Marian and **David Holten** now live in Sparks, Nev. They just returned from a spectacular South African visit with their daughter, whose husband is assigned to the American Embassy in Pretoria. One of the highlights was the Robben Island tour of the prison where Nelson Mandela was held for so many years. They found the South African cities very sophisticated and came home with 18 rolls of film. They are available to elaborate on their trip (775-626-7656 or lollypop@pyramid.net). I don't think that we have met, but I guess that I became famous for the many years that I walked with Dean Warner and Steve Chin to the Lab along East Ave.

• • •

Evelyn Heald (Mechanical Engineering; her husband is **Irv**) has become quite a traveler. On Sept. 11 she was in England and visited AWRE work associates Frank and Anne Rogers in Reading. From there they spent a week in Sicily.

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Some of the retirees have had travel problems. **Ann** and **Ed Lafranci** (Electronics Engineering) arrived in St. Louis only to find that the company operating the Delta Queen had gone bankrupt. It appears they may have lost their fares even though they had insurance, credit card coverage, etc. **Flo** and **Lee Peck** were scheduled for a barge trip in France a few days after Sept. 11. They were told that unless they got to France they would lose their fares. Lee got on the Internet and was able to book a flight to France and they were able to take the trip. **Don Bloodgood** (Electronics, Human Resources, Plant Engineering and Budget) and his wife, **Shanna** (Director's Office, Materials Management, Inventory) canceled a trip scheduled shortly after Sept. 11.

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Al Pickford (Field Engineering) wrote me an informative letter about his early experiences at the Bureau of Standards in Boulder, Colo. to learn about liquid hydrogen and the cryogenic system that they built at the Lab and shipped to Ursula for the tests. He mentioned Morganstem and Ramrod, which were two of the Lab's early devices.

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For the athletic types, **Phil Harding** and **Dick Gehrke** (Human Resources) and **Bill Cook** (AIS) jogged at noon for many years at the Lab. In August of this year, they participated as part of a team of 12 in the "Hood to Coast" 196-mile relay. They spent three days resting at Dick's home in Vancouver, Wash. Bill lives in Livermore and Phil lives in Ramona, Calif.

• • •

Roger Arch (Laser Programs) and **Martha Maser** (Laser Programs) were married in Maui and purchased a home in Riverlake, Sacramento. They are actively involved in golf and tennis. They also ski and visited **Nancy Bloomfield** in Napa during a trip to Silverado on their visit to see the senior PGA golf tournament.

• • •

It is always a pleasure to hear from **Jack King** (TID) who lives in Southern Arizona. Jack's had a busy year traveling from Maine to Key West. He also visited the UK and attended a clan reunion in Scotland. On a more recent trip to Colorado, he visited **Mary Hall** (TID) in Albuquerque. Mary's husband, **Ken Hall,** was the supervisor of photography at the Lab from day one. Ken passed away about a year ago. While in Colorado, Jack spent a few days with **Bill** and **Ann Jenkins**. Bill actually founded *Newsline*.

• • •

The **Retirees Analytical Group or Aging Chemist's Society** had a luncheon at the Willow Tree in Dublin and they not only had a record-breaking turnout, but also had a great time.

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Dave Oakley (Test) and **Jim Kane** (Chemistry) recently received awards for their volunteer efforts. They have been involved in gardening activities at the senior center.

• • •

Before I forget, please send me a copy of your Christmas letters outlining your activities. I'm sure it will contain info that would be of interest to your fellow retirees. Bob Becker, 1690 Frederick Michael Way Livermore, 925-447-3867, rcbecker@aol.com

IN MEMORIAM

Robert W. Ashworth

Lab retiree Robert W. Ashworth of Livermore died at home on Sunday, Nov. 25. He was 86.

Ashworth was born in Lund, Nev., and grew up in the copper mining town of Ruth. He played the saxophone in a dance band across eastern Nevada and continued to enjoy music throughout his life. In 1940, he moved to California, and worked for Lockheed where he supported the C-54 aircraft used in the World War II Berlin airlift.

He had a special ability with mechanical equipment, and in 1950 he joined a team of University of California Lawrence Berkeley Laboratory researchers as a mechanical technician. He soon transferred to the newly formed Lawrence Livermore Lab to work with the special team that developed the first hydrogen bomb. He contributed to many LLNL projects within the Mechanical Engineering Department for 23 years, and retired as superintendent of the LLNL mechanical technicians in August 1975.

Beyond his laboratory skills, Ashworth was an accomplished woodcarver and belonged to the Livermore Woodcarvers Association. Many of the rooms in his home include his carvings of various animals. He and his wife were members of the Pilgrim camper club for many years, and enjoyed regular trips with the club. He was also a member of the Livermore SIRS group.

Ashworth is survived by his wife of 52 years, Evelyn; daughter Linda Ashworth and son-in-law Jerry Eveleth, and three sisters. He was preceded in death by his daughter Susan, who died in 1965.

Memorial gifts may be made to a charity of your choice.

Newsline

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AROUND THE LAB

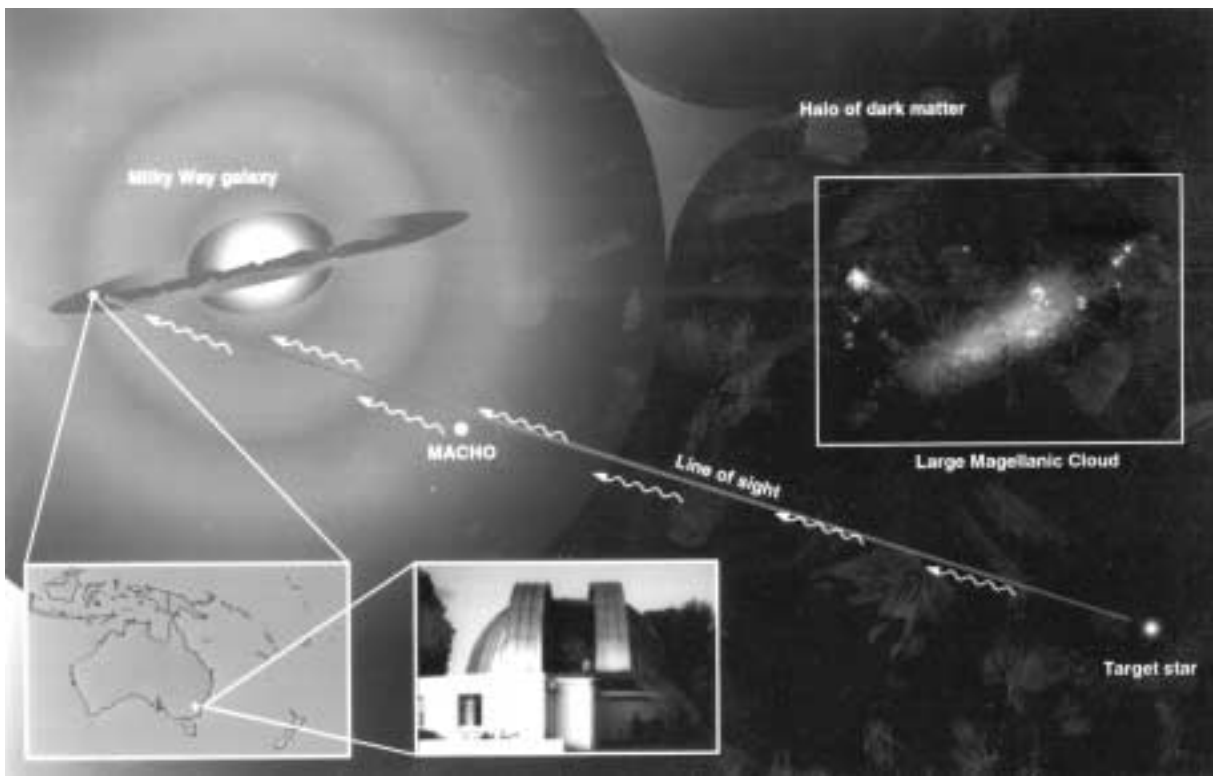
Lab astronomers detect dark matter object in Milky Way

By Anne M. Stark
NEWSLINE STAFF WRITER

Lab astronomers, in collaboration with an international team of researchers, have made the first direct detection and measurement of the properties of a dark matter object in the Milky Way.

This observation of a gravitational microlensing event — a temporary increase in the brightness of a background star during the time it takes dark matter to pass in front of it – is reported in Thursday's (Dec. 6) issue of *Nature*.

By fusing microlensing light data, high-resolution images and spectroscopy, researchers can finally view a complete picture of a MACHO (Massive Compact Halo Object) by measuring its mass, distance and velocity.



A composite figure showing the geometry of a microlensing event. The insets show a picture of the Large Magellanic Cloud and the Great Melbourne Telescope in Canberra, Australia where the MACHO Project collected microlensing survey data for eight years. A MACHO in the halo of the Milky Way is shown bending light from a star in the Large Magellanic Cloud on its path to the telescope in Australia.

The team of scientists used the NASA/ESA Hubble Space Telescope and the European Southern Observatory's Very Large Telescope to take images and make spectra of a MACHO microlens, making it possible to determine the mass of the MACHO and its distance from the Earth. In this case, the MACHO is a star 600 light-years away with a mass 5 percent to 10 percent the mass of the sun, making it a dwarf star and a faint member of the disk population of stars in the Milky Way.

"For the first time, we've been able to determine the detailed characteristics of a lens," said Cailin Nelson, a UC Berkeley graduate student working at Livermore with the MACHO team. "This shows that we will be able to determine the make-up of MACHOs and their role in the universe. We expected about one of our microlenses to belong to the normal, stellar component of the Milky Way, and it just happened that this was the one."

For the past 10 years, active search projects have looked for possible objects that make up the dark matter. One of the many possibilities is that the dark matter consists of atomic sized, weakly interacting, massive particles. Another possibility is that the dark matter consists of MACHOs, such as dead or dying stars (neutron stars and cool dwarf stars), objects similar to stars, but too small to 'light up' (planets and brown dwarfs) ,or black holes of various sizes.

Previous research shows that if some of the dark matter were in the form of MACHOs, then its presence could be detected by the gravitational influence MACHOs would have on light from distant stars. If a MACHO object passes in front of a star in a nearby galaxy, such as the Large Magellanic Cloud, then the gravitational field of the MACHO will bend the light and focus it into telescopes.

The MACHO acts like a gravitational lens and causes the brightness of the background star to increase for the short time it takes for the MACHO to pass by. Depending on the mass of the MACHO and its distance from the Earth, this period of brightening can last days, weeks or months. Gravitational lensing can also be observed on much larger scales around large mass concentrations, such as clusters of galaxies. Since MACHOs are much smaller they are referred to as "microlenses."

"In order to observe and then follow-up more unusual microlensing events such as this one, we need to find many more events," said Kem Cook, the Livermore team leader. "We are just beginning a new five-year microlensing survey using the Cerro Tololo Interamerican Observatory's four-m telescope which should yield the number of events we need to identify the nature of the main microlensing population."

The form and duration of the brightening caused by the MACHO (the microlensing light curve) can be predicted by theory and searched for as a clear signal of the presence of MACHO dark matter. But in a normal event, the brightening alone is not enough information to yield the distance to the MACHO, its mass and velocity as independent quantities. It is only for unusual events, such as this one, that more can be learned.

In 1991, a team of astronomers from LLNL, the Center for Particle Astrophysics at UC Berkeley and the Australian National University joined forces to form the MACHO Project. This team used a dedicated telescope at the Mount Stromlo Observatory in Australia to monitor the brightness of more than 10 million stars in the Large Magellanic Cloud over a period of eight years.

The team discovered their first gravitational lensing event in 1993 and have now published approximately 20 examples of microlenses toward the Magellanic Clouds. These results demonstrate that there is a population of MACHO objects surrounding the Milky Way galaxy that could comprise as much as 50 percent of the total dark matter content.

The MACHO collaboration is made up of: K.H. Cook, A.J. Drake, S.C. Keller, S.L. Marshall, C.A. Nelson and P. Popowski of LLNL; C. Alcock and M.J. Lehner from the University of Pennsylvania; R.A. Allsman of the Australian National Supercomputing Facility; D.R. Alves of STScI; T.S. Axelrod, K.C. Freeman and B.A. Peterson of the Mount Stromlo Observatory; A.C. Becker of Bell Labs; D.P. Bennett of the University of Notre Dame; M. Geha of UC Santa Cruz; K. Griest and T. Vandehei of UC San Diego; D. Minniti of Universidad Catolica; M.R. Pratt, C.W. Stubbs and A.B. Tomaney of the University of Washington; P.J. Quinn of the European Southern Observatory; W. Sutherland of the University of Oxford; and D. Welch of McMaster University.

Large volcanic eruptions mask global warming, scientists report

By Anne M. Stark
NEWSLINE STAFF WRITER

Lab researchers have discovered that volcanic eruptions during the past 20 years have masked global warming.

The work shows that large volcanic eruptions during the past 20 years cooled the lower troposphere (the layer of atmosphere from the Earth's surface to roughly 8 km above it) more than the surface, and likely obscured the actual warming of the troposphere.

This research, taken from temperature data from 1979-99, helps explain the difference in warming rates at the Earth's surface and in the lower troposphere. While the surface has warmed markedly over the past 20 years, temperatures in the lower troposphere have shown little or no increase. This discrepancy has been the focus of scientific and political attention.

The research is presented in "Accounting for the Effects of Volcanoes and ENSO in Comparisons of Modeled and Observed Temperature Trends," in the Nov. 27 edition of the *Journal of Geophysical Research-Atmospheres*.

LLNL researchers Benjamin Santer, Charles Doutriaux, James Boyle, Sailes Sengupta and Karl Taylor teamed with scientists from the National Center for Atmosphere Research, NASA/Goddard Institute for Space Studies, the Climatic Research Unit at the University of East Anglia in the United Kingdom, and the Max-Planck Institute for Meteorology in Germany.

The paper attempts to quantify volcanic influences on surface and tropospheric temperatures. Volcano "signals" are masked by the temperature changes caused by El Niño events. The eruption of El Chichón in Mexico in 1982 coincided with a large El Niño event during the winter of 1982-83, while the eruption of Mt. Pinatubo in the Philippines in 1991 occurred at the same time as El Niño of 1991-92. To study volcanic effects on temperature, El Niño influences must first be removed.

The atmospheric scientists used a statistical procedure to separate El Niño and volcanic effects in observed temperature records. They found that aerosol particles from El Chichón and Pinatubo cooled the lower troposphere and probably masked the actual warming of the troposphere. Volcanoes therefore supply at least part of the explanation for the different temperature trends at the Earth's surface and in the troposphere.

This research undercuts claims by greenhouse skeptics that no warming has occurred during the last two decades. These claims are based on satellite measurements of temperatures in the lower troposphere, which show little or no warming since the beginning of the satellite record in 1979.

"Our recent work shows that some of the differences between warming rates at the Earth's sur-

See **VOLCANO,** *page 8*

Tarter sees another strong year for the Laboratory

With a solid budget, "outstanding" grades for its science and operations and an "excellent year of technical achievement," 2002 is shaping up to be another strong year for the Laboratory. That was the message in Director Bruce Tarter's annual "State of the Laboratory," presented to employees via television Friday morning.

Milestones

Tarter kicked off his talk with Laboratory accomplishments over the last year, among them the Lab's work on the life extension of the W87, the sixth annual certification of the nuclear stockpile, completion of the first full-scale protoype to make computer chips using extreme ultraviolet light, the dedication and the unveiling of ASCI White, the world's fastest supercomputer — among many more.

Tarter spent some time talking about the "remarkable progress" of the National Ignition Facility. On Sept. 30, NIF's conventional facility construction was completed on schedule and on budget — satisfying a major DOE milestone. About one month later, the NIF Project achieved its goal of completing the installation of 1/4 of NIF's beampath infrastructure — the clean enclosures that hold all of the laser components for each beam. All of NIF's technologies are in or near production. Nearly 80 percent of the 3,072 laser glass slabs required for NIF are in hand; more than half the large KDP crystals have been grown, and new optical finishing techniques show promise for increasing the lifetime of NIF's final optics, which will help to minimize operating costs.

"The achievements of the NIF team truly show the power of the Laboratory when people work together toward a common goal," Tarter said.

Budget

Tarter said the budget outlook for fiscal year 2002 is "very good," though there are still a few issues regarding funding for nonproliferation programs. At just over $1.5 billion dollars the budget is up 10 percent, "with strong support for most of the major programs."

The Lab has also received funding for a new terascale facility as well as the construction of a new Sensitive Compartmented Information Facility. The terascale facility will house the next-generation ASCI equipment. The Lab expects to break ground on both facilities in 2002.

Homeland Security

Tarter recently met with Gov. Tom Ridge, who heads up the newly created Cabinet department of Homeland Security. While the Lab's work in this area is still evolving, Tarter said many Lab technologies will play a major role in homeland defense. Among those technologies are the Biological Aerosol Sentry Information System, a system of sensors often placed in large venues and gathering places to detect biological releases into the atmosphere; DNA analysis of pathogens; commercialization of the Handheld Advanced Nucleic Acid Analyzer, to analyze biological samples; and the Autonomous Pathogen Detection System, to provide continuous monitoring of biological agents, among others.

Tarter also commended employee efforts following the Sept. 11 attacks. "We have deployed a number of people and contributed technologies in security and support of our federal government."

Energy

While news accounts suggest the energy crisis that opened the year is now fading away, Tarter said the Lab programs must continue to explore alternative energy solutions that are low cost and responsible to environmental issues, particularly global warming.

People

Vacancies exist in Engineering, Biology and Biotechnology Research, and Chemistry and Materials Science. Tarter said the selection committee is close to naming final candidates for Engineering, while Hal Graboske, who this week announced he was stepping down as Chemistry & Material Sciences AD, will continue to head up the search for a Bioscience AD.

Tarter expects those positions to be filled within the next few months.

Survey

The Survey Action Teams are finalizing recommendations in response to the employee survey, "Assessing the Workplace." The outcomes of that survey, taken in the spring, "will shape the Laboratory for years to come," Tarter said. "I want to thank all employees for taking the time to fill out the survey and I also want to thank those employees who served on the committees." With a response rate of 70 percent, Tarter said the survey shows employees care about the Laboratory and are committed to seeing it become an employer of choice.

50th Anniversary

The new year will mark the 50th anniversary of Lawrence Livermore National Laboratory. Though the actual anniversary date does not come until September 2002, Tarter said the Lab will begin celebrating with the beginning of the calendar year. Tarter unveiled a special celebration logo, and outlined a number of activities that will take place in coming months. Among them are special panel discussions, various symposia, a number of special publications commemorating Laboratory people and their scientific and technological contributions to the nation, special editions of *Newsline*, an open house, community tours of various Lab facilities and much more. Laboratory employees will also receive special commemorative calendars at the end of the month.

DOE, NNSA, UC leaders react to Tarter's decision

"The country owes a great deal to Bruce Tarter. For more than 30 years, Dr. Tarter has worked to make Lawrence Livermore National Laboratory one of the nation's leading research institutions, first as a scientist and then as a manager. Under his leadership, Lawrence Livermore Lab has not only made countless scientific and technical contributions that enhanced our national security, but has also made significant contributions in energy and environmental science, bioscience and biotechnology."

— DOE Secretary Spencer Abraham

"Bruce will be missed, but his legacy will be felt for many years. He has been a tireless and effective advocate for Lawrence Livermore's scientists and staff and has taken steps to ensure that the Laboratory will continue to deliver first-rate support to national security and cutting edge science and technology. I've personally enjoyed his keen intellect and have valued his always sound advice."

— NNSA Administrator John Gordon

"I have known and worked with Bruce Tarter for many years, first in my role with the DOE committees and review groups that oversee laboratory programs and operations and more recently in my capacity as vice president for Laboratory Management at the University. Bruce has been an excellent leader during a tumultuous time. The range of complex issues that he has encountered and dealt with effectively is truly remarkable: The fragmentation of international threats in the aftermath of the Cold War, rapidly changing operational standards and requirements in the DOE community, new human skills and unprecedented technical resources demanded by program goals. The tremendous turnaround at NIF is a particular highlight. It is now a poster child for large scientific projects. But the Laboratory has done well on many fronts under Bruce's leadership. I want to thank him for his substantial service to the University and the nation, and look forward to continuing to work closely with him in the future."

— UC Vice President John McTague

"Bruce Tarter has informed me of his plan to step down as director of Lawrence Livermore National Laboratory, a decision I have accepted with regret. For the past seven years, Director Tarter has been a strong and imaginative leader during a period of extraordinary challenges. The Laboratory had to make major and sometimes wrenching adjustments in the years following the end of the Cold War, from altering the mix of scientific skills to developing new technical resources to responding to new and changing operational requirements in security, safety and business practices. Director Tarter and his management team dealt with these challenges with great energy and skill. One of his most notable accomplishments was to reverse the course of a struggling laser project, the National Ignition Facility. The Laboratory, the University community and the nation owe him a debt of gratitude for turning NIF into a model of outstanding project management. As the Livermore Laboratory approaches the 50th anniversary of its founding, all of us in the University take pride in its scientific excellence. Director Tarter's leadership is a major reason for the superb state of the Laboratory and the high regard in which it is held."

— UC President Richard C. Atkinson

TARTER

Continued from page 1

"Bruce has been an excellent leader during a tumultuous time," said John McTague, UC vice president for Laboratory Management. "The range of complex issues he has encountered and dealt with effectively is truly remarkable. The tremendous turnaround at NIF is a particular highlight. The Laboratory has done well on many fronts under Bruce's leadership.

"I want to thank him for his substantial service to the University and the nation, and look forward to continuing to work closely with him in the future."

"The country owes a great deal to Bruce Tarter," said Department of Energy Secretary Spencer Abraham. "For more than 30 years, Dr. Tarter has worked to make Lawrence Livermore National Laboratory one of the nation's leading research institutions, first as a scientist and then as a manager."

"Bruce will be missed, but his legacy will be felt for many years," said Gen. John Gordon, administrator of the National Nuclear Security Administration. "He has been a tireless and effective advocate for Lawrence Livermore's scientists and staff... I've personally enjoyed his keen intellect and have valued his always sound advice."

During Tarter's tenure, the Lab has had many accomplishments — including the current construction of the National Ignition Facility, the development of Livermore as a principal institution in the nation's Stockpile Stewardship Program and the Lab's significant leadership role in supercomputing. Under Tarter's guidance, Nonproliferation, Arms Control and International Security — the directorate that focuses on nonproliferation issues — was greatly expanded. This foresight has proven especially valuable following the terrorist attacks of Sept. 11.

Other significant accomplishments include the

See **TARTER,** *page 8*

THE HOME PAGE

Local charities look to HOME for 11th-hour assistance

Agencies feeling the pinch following Sept. 11 attacks

By Lynda Seaver

NEWSLINE STAFF WRITER

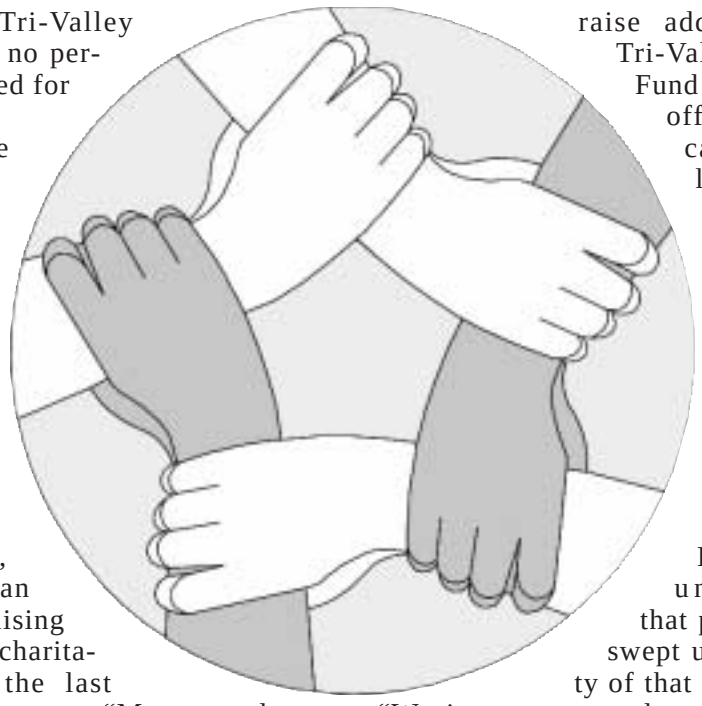
As the calendar year comes to a close, local nonprofits are hoping charity continues at HOME.

The Lab's Campaign to Help Others More Effectively (HOME) by raising money for employee-chosen agencies comes to a close on Dec. 17. This year, agencies throughout the Tri-Valley are watching community fund-raisers such as HOME more closely, due in large part to the tragedies of Sept. 11.

Agencies such as the Red Cross and United Way have collected more than $1.7 billion since Sept. 11. David Rice, president of Tri-Valley Community Fund agrees the tragedy is deserving of a national outpouring, but he says local agencies have suffered as a result.

"Locally, charitable giving is down as much as 30 percent," Rice said. "That's not limited to this community alone. Charities across the nation are feeling the impact of Sept. 11."

The Tri-Valley Community Fund serves as an umbrella agency for nonprofits throughout the area. Money donated to the fund is then parceled out to the various agencies, from providing services to battered women, to health care for low-income or no-income clients, to food and shelter to the homeless, and hundreds of other community needs. Unlike the United Way, Tri-Valley Community Fund holds no percentage of money donated for its overhead.



Since Sept. 11, Rice has been fielding "a steady number" of calls from local agencies looking for any additional funding. Money these agencies count on has been donated instead to fund raisers specifically targeted for Sept. 11 relief.

According to statistics by the Washington, DC-based American Association of Fund-Raising Council, 85 percent of charitable giving comes in the last quarter of the calendar year. "Most people donate by a percentage or set amount," explained Rice. "When Sept. 11 hit, that money went to those charities designed to help in the aftermath, leaving nothing left over for local needs.

"That means many local agencies are looking at another year before they see dollars that they have traditionally depended upon," Rice added.

Already some agencies are feeling the pinch, Rice said. Valley Community Health Center, which provides low-cost or no-cost health care to 20,000 people, has cut some of its services. The Discovery Counseling Center in San Ramon, which provides drug abuse treatment and counseling, is limiting some of its programs. Rice said other agencies may have to close their doors altogether by spring.

"Local agencies are in severe need," Rice said.

To counter this, the Tri-Valley Community Fund is stepping up its efforts to raise dollars. Rice and staffers have put together three shows on Community Channel 30 in hopes of notifying the public of the shortage. Tri-Valley Community Fund has also expanded its board of directors in hopes of providing more outreach to corporations. Some of these businesses have set up special matching funds to raise additional dollars. Tri-Valley Community Fund is also kicking off an advertising campaign in the local newspapers, thanks in part to donated advertising space.

"We're not trying to take away anything from the Red Cross or United Way Sept. 11 funds," Rice said. "It's understandable that people would get swept up in the enormity of that situation.

"We just want people, particularly those who still have not contributed to their company's fund raiser or have not made their annual donations, to remember the local charities as well."

Rice credited campaigns such as HOME, which are held late in the calendar year. "Many agencies are looking at this campaign and hoping it will provide the boost they need," he said.

Roger Werne, chair of this year's HOME Campaign (which is sponsored by NAI), said the campaign deadline was extended to Dec. 17, in part to help the local agencies.

Over the years, many of the employee-chosen agencies have come to rely specifically on HOME Campaign dollars, Werne said. These are small agencies, with little money budgeted for advertising or public service announcements.

"The focus of HOME has always been the local community," Werne said, adding that the attacks on the East Coast have had a ripple effect across the nation. Agencies that provide counseling, grief support and other crisis services are being stretched to the limits.

Werne is confident the HOME Campaign will help. "Our employees realize how fortunate they are. They have always been aware of other people's needs."

The deadline to turn in packets for the HOME Campaign has been extended to Dec. 17.

HOME contributions to date: $1,035,085

Directorate	Total Employees	No. of Contributions	$ Donated	% Participation
Energy and Environment	317	122	$42,031	38%
Computation	988	265	$127,276	27%
Safety, Security & Environmental Protection	990	327	$96,563	33%
Physics & Advanced Technologies	394	142	$54,953	36%
Defense & Nuclear Technologies	401	185	$79,312	46%
Chemistry & Materials Science	468	176	$85,062	38%
Laboratory Services	1349	497	$127,696	37%
Engineering	2085	581	$223,841	28%
NIF - ICF	192	75	$26,428	39%
CFO	94	52	$14,390	55%
NAI	250	126	$57,293	50%
Director's Office	158	62	$32,804	39%
Administration	286	110	$26,616	38%
Biology & Biotechnology Research Program	233	100	$25,346	43%
Supplemental Labor	N/A	69	$11,104	0
Others	N/A	15	$4,370	0
TOTAL	**8,205**	**2,904**	**$1,035,085**	**35%**

HOME incentives

JERRY WOOD/NAI

Nancy Carter, (right) is one of the latest incentive winners in the HOME Campaign. Karen Kimball (left), officiated this week's drawing for employees who returned their packets by set dates. See www-r.llnl.gov/home2001/ for information.

CLASSIFIED ADS

See complete classified ad listings at https://www-ais.llnl.gov/newsline/ads/

AUTOMOBILES

1994 - Chrysler LHS Good condition All power features, AM/FM/CD, moon roof, Grn exterior, grey leather interior, 105k miles $6,900 925-447-4492

1991 - Explorer, Original owner, 4x4, XLT, V6, air, power windows and locks, sun roof, CD player, excellent condition, 139K miles, $3,900 925-484-4099

1989 - Volvo 740Turbo sedan, 145K miles, very clean interior, good commuter car. $4,000 obo 209-833-7257

1989 - Toyota Celica, 180K, well maintained, good commute car. $1600/BO. 510-208-5207

1998 - Acura RL SE. 31K miles, fully loaded, custom wheels. $25,500. 925-606-7490

1999 - BMW 328I Convertible. Excellent condition. Older woman owner. 23K miles. Always garaged. $34,500 Evenings: 925-443-6176

1998 - VW Jetta GT. Perfect shape, Dark Blue, New Breaks, New Tires. Sunroof. $9500.00 OBO. 925-875-0895

1995 - Ford Explorer, 2D Sport, 4WD, roof rack, running boards, tow pkg, ABS, loaded and great condition, 69K miles and Goodyear tires! $9000 925-447-6707

1990 - Cadillac Seville, Maroon. All Options inc Leather, CD, Spoke Wheels. New Cooling System. Great condition w/149k. $4,200 or B/O. 209-848-4849

1991 - Suburban, 3/4 ton Silverado 4x4. White w/Gunmetal Grey. All Options inc Rear A/C. 94k flawless! Must see. $8,900 209-848-4849

1965 - Cobra SC replica (1965), regstrd 1997 Ford 1965 drv train, w/300+HP 289 nd: paint&intrior, Light/fast, $28K pics/inf 925-245-1114

1993 - 4X4 Yukon SLE, 2 Dr. 85,k miles Clean runs great. $10,500 OBO 209-836-3041

1992 - Saturn coupe. Clean, runs great. A/C, pw, am/fm cassette. $3300 or best offer. 209-835-5543

1991 - Ford Bronco. Eddie Bauer. 86k miles. Excellent Condition. Immaculate. $6,999 925-516-3768

1994 - Mustang 5.0 V-8 5-speed, Flow Masters, Power Everything, 17 in Rims, Tint, CD-Polk/JL Audio Speakers, Excellent Condition! $6000 OBO. 925-634-4834

1995 - Ford Explorer Sport, 4x2, all power, New tires, excellent condition, service kept updated, must see. Blue book priced at 7,800.00. 510-537-7222

1987 - Toyota Camry DX, 4 door, 4 cylinder, auto trans, ac, AM/FM/CD stereo, 98k miles, tires ~10k mi., very good condition, $2,300 obo. 209-833-9055

1992 - Saturn SL2, 183K Commuter miles, 5-Speed, Power Pkg., Newer tires, Well maintained, Good condition, Runs great! $2,500/BO. 209-823-5435 209-823-5435

1997 - Acura 2.2 Coupe, loaded, every option offered, looks great and runs excellent, steal of the year. 925-447-5746

1986 - Jeep Cherokee Pioneer, 2.5l, 2door 4wheel drive, 5 speed manual, 160K miles, good condition, very reliable, bluebook $2,215 obo. 925-245-0803

1998 - Plymouth Breeze Sedan 4D 4 Cyl-2.0 liter Automatic AC Power Steering AM/FM/CD Dual Air Bags 74k Milage Excellent Condition $8,000 MUST SELL 925-634-0360

1989 - Honda Civic Hatchback, 4sp, 170K miles, very clean body, everything works, good running condition. $2,300/obo - 209-823-8270

AUTOMOBILE ACCESSORIES

RK Sport exhaust system. Single to quad exhaust system for Cavalier. Chrome Oval Tips. Used, in good condition. New $250, asking $100 OBO. 925-373-1057

Draw-Tite under the bumper receiver for 1995 Mitsubishi truck $40 209-833-3785

Chevrolet aluminum alloy wheels 16 inch 6 lug and 265/75 mud and snow tires off Tahoe. $275 925-447-4611

TRUCK-SHELL,gem top,Red like new, tinted & locking windows,one side slides,other side lifts, $1,300.00 NEW, asking $500.00 209-529-0431

FLARED FENDERS for Dodge Truck RED w/all fasteners over $500.00 NEW, asking $200.00 209-529-0431

JOEY-BED, Truck Bed Slider, makes reaching items a BREEZE. $850.00 NEW, asking $450.00 209-529-0431

BICYCLES

Mountain Bicycle, Specialized Rock Hopper,unisex, 15inch frame, 21 speed. Rear rack & pannier. Little use, $150 925-935-5004

Nishiki Sport Series 10 speed girls bike. 19 inch frame, Condition NEW $ 100.00 925-443-7752

Ladies Bicycle.12 Speed. Excellent condition. $35.00 925-634-4831

Free Agent Raceway BMX bike Chromoly 3piece crank sealed bearings pads 1 year old $350 a great gift! 209-835-2416

Mountain Tech 22-inch 10-speed girls bike. Call (925) 947-5411 first. 925-837-6135

BOATS

91 Reinall 173 V6-4.3L OMC I/O, snap-on custom cover, fish finder, 150 hours, dual battery, single axle trailer, garage kept. $8500 OBO. 925-245-1414

1995 Ski Sanger Competition Boat, New SkyBoom,CD Player. Looks and Runs Great! $18000 or Best Offer. 209-632-4568

Sail, mast and boom for sail board. Like new. $300 OBO 925-455-4208

ELECTRONIC EQUIPMENT

STEREO SPEAKERS: Matched pair of Vandersteen 2ci with Sound Anchor stands. Excellent condition. $500 OBO. 510-531-4668

Nintendo64 Game Console, 3controllers, additional memory cards, Tremor pack, 7games including PD. Perfect, ideal for Christmas. Best Offer 925-292-7799

PowerMac6500 w/new 17 inch monitor. Apple StyleWriter Color printer w/extra ink cartridges and games,OS 8.5. Excellent Condition $600 OBO. 925-443-6271

Power Mac 7600/132. OS9. Printer. 1 Mb upgrade to Ram and G3 processor installed. 17in.Color Monitor, key board, Mouse. $300.00. 925-634-4831 925-634-4831

Mitsubishi Rack Stereo System--1,000 watts--includes record player, 7 cassette player, am/fm tuner, cd player. needs minor work. $150 925-443-7884

Computer desks (2), printer stand, oak finish, excellent condition $100.00 each desk, $50.00 printer stand. 925-373-1926

GIVEAWAY

FREE Toilet bowl, Kohler Wellworth Lite (current model), 1.6 gpf, white. Buy a tank and you are ready to go. Excellent condition, fairly new. FREE! 925-606-9575

Carpet - 12ft x 16ft Mauve. Good condition, Clean. U-Haul from San Ramon 925-867-9411

Bathroom vanity, solid oak frame medium stain, 5 ft. long, cultured ivory marble counter with two basins and faucets, great condition. 925-606-9575

HOUSEHOLD

Oak entertainment center with glass door and vhs storage door, $100. Coffee table (oak & glass), $50. Please call 510-481-2281

Rescue Hero Firetruck, like new, $15. 1 Gal. air compressor (small), nearly new $75 925-294-9022

Sofa: White with loose-back pillows in teal. Very nice $150.00 209-786-5967

SONY TV. 20 in Stereo. $50 510-531-4668

Oak 54 in. roll top computer desk, $650, Kirby G-5 Vaccum, $550. 2 Large Krause Down Sofas, $150 & $250. After 5pm 209-838-3195

42 inch antique clawfoot oak table with 4 antique high-back chairs. All structurally sound, just old. $650 or best offer. 925-449-7760

This End Up 3 drawer dresser w/ rope handles ($25). Black comp desk, <2 yrs ($20). 925-243-9423

Toddler bed frame + mattress, excellent condition $50 OBO. Toddler bed frame, excellent condition $20 OBO. 925-371-4479

Captains bed (twin) with 4 drawers $120.25 in. Fisher TV w/remote $190.Night Stand $20 Call Eves: 925-828-6568

Baby items, battery powered swing $20, 2 bouncy seats $10 each. Infant car seat $25 excellent cond. 925-447-4611

Solid oak roll top desk, Winners only, dark wood, paid $1300 sell for $800, mint cond! 925-447-4611

Office desk, grey steel, 30 x 60 x 29 inches high, one file drawer, very solid, $70. 925-454-9291

Wall Units (2): 6 ft high, Pine with dark finish, floral design on lower cabinet doors, $50 each. 925-371-6882

Sonicare toothbrush sets. Brand new, box never opened. Comes with charger and extra brush head. Retail $90; Sell for $40 or 2 for $70. 925-455-4208

(2) fabric matching loveseats with accent pillows in great condition. $300 for both OBO. 925-449-4947

Upright vaccum with all attachments, powerful, works great. $30.00 510-537-7222

Crib - Solid Oak w/mattress. Top of the line, excellent condition! Hardly used. $120/OBO -- 209-598-6047

Oak pedestal dining table w/4 windsor chairs. $200.00 for set. 925-373-6870

One beautiful Fur walking jacket. Nutria with fox coller.$2,200 or best offer.paid$4,000 originally from I.Magnins. 925-447-4722

Pfaltzgraff dishes, serv. for 8, acadia pattern w/all serving pieces, exc. cond., $125. 209-941-9114

China,10+ place stg.Haviland,Bluefloral w/Platinum rim $150 obo 925-443-5652

Computer table, 30X45 with tower compartment, plug strip and switch. black met., white top 925-447-0856

China hutch, must sell cheap $150.00. 925-447-5746

Beautiful oak roll-top desk, 2 file drawers, 2 small drawers each side, center drawer and many small drawers/cubbies. $1000.00/bo 925-373-1926

Queen mattress, boxspring & frame, upright vacuum, Graco Stroll-a-Bed, Kolcraft infant carseat, computer table. Call (925) 947-5411 first. 925-837-6135

Fisher In-Fireplace Stove. Fits 36X25 opening. Best Offer. Call for appointment. (Manteca) 209-825-5615

Papa-San chair, bamboo frame with pad 4 foot diameter. $50.00 925-443-2245

Student Desk 80 by 24 inches. 2 pedestals, 1 with drawers, 1 with book shelves. $50.00 925-443-2245

Bed and mattresses: single, beautiful, cherry, four-poster. $100 925-828-3143

LOST & FOUND

LOST--Self-inflatable back support. Last seen in Bldg. 123 auditorium on 11/29/01. 925-735-7776

Found auto key in parking lot in front of south side of B132S. Describe to claim. 925-837-6135

Found 11/28/01: Canadian Mounted Police emblem, looking for owner. 925-606-9097

MISCELLANEOUS

Torque wrench (unused), induction tune-up dwell meter, induction timing light. Make offer 925-292-7799

GEORGE HARRISON Autographed Cloud Nine Album,Framed,100% Guaranteed Authentic,Perfect Condition, Great X-Mas gift for Beatle fan $750.00 925-443-4895

Picket fence, redwood painted white, 50 ft assembled (you remove & haul) plus extra pickets (20ft?), $50. 925-294-9022

European camouflage for sale. British, Czech, Russian VSR, New Zealand, Dutch etc. One British DPM sniper smock($185). Buy,sell, trade. 209-835-4281

FRANKLIN MINT Monopoly game with custom glass top. Never used. Still boxed. value = $700, sell for $425. 209-832-0474

YARD SALE, today and Dec. 8, 2628 Kenndey St, Livermore, plants, winter clothes, shoes, dolls, collectiables 925-447-6192

Interior glass door with casing. frosted with etched hummingbird and flowers. 84hx36w unfinished. $300.00 925-243-0366

Classic Transformer/Go-Bot toys in unopened boxes. Great for Christmas. 925-292-7799

Band saw, 12inch Sears, Mobile base, Slow speed adapter, extras. $150 925-935-5004

Oak rolltop desk. 7 drawers (2 file drawers) Med. Oak, 14 yrs old, minor scratches. Measures 54 in. wide, 45 in. tall 24 in. wide. $250. 209-835-9082

Levi Silver Tab jeans 4 pair 30x34L, great cond, no holes, tears or stains, $10/pr, various shades of blue. 209-835-9082

Old Navy, Womans XS down vest, reversible, red and light blue. Exc. Cond. $15.00 GAP, girls down jacket, sz L. Blk. Exc. Cond. $30.00 209-835-9082

Multi-family garage sale Saturday 8 am-noon; decorator, household items, furniture, books, more. 1664 Altamar Way off Vasco/Garavente Ranch, Livermore 925-455-4208

Swivel-rocker with otterman. Excellent condition. Asking $25.00. OBO 510-537-7222

Lionel 0/027/ gage diesel locomotive in show case $125.00 925-447-6728

BRIO wooden train sets - track, bridges, trains, etc. ~ 3ft X 5ft layout. Paid over $350. Sell $125. 925-362-9078

MOTORCYCLES

1998 - Kawasaki Vulcan 800 Classic Green Fenders w/White Trim Low Mileage 1700. Garaged New Battery Cover and travel bag included Asking $4000 925-447-4763

MUSIC INSTRUMENTS

Suzuki violin, 1/4 size, Wolf violin headrest (1/2 size), Violin Strings, all like new. Make offer 925-292-7799

Piano, 42î upright, teak finish, excellent condition,good sound/action. Very pretty. $1000.00/bo 925-373-1926

Flute with case. excellent condition. $250.00 925-443-6766

PETS & SUPPLIES

Pheasant roosters for sale $5.00 ea. 925-447-6728

Large bird cage with 1 inch bar spacing suitable for a cockatoo or macaw. Playtop included. $200 OBO 209-321-7203

Cockatiels, 2-3 months old. Greys, Lutinos & Pearls. Friendly & tame. $35.00 each. Eves 925-606-7128

10 week old Smooth Fox Terrier Puppies, papered, shots,Very Cute, $450.00 925-447-4303

Eclectus Parrot Babies for sale. Raised in our home. Gorgeous, extremely sweet and gentle. African Grey Parrots - babies, raised in our home. Several ages available. Call for more information 925-371-8283. 925-449-7966

RECREATION EQUIPMENT

Pitching machine, ATEC hitting streak, throws balls up to 60 mph, curves and sliders, cost $350 new, asking $250 925-484-4099

Air Hockey Table. Old but works. Approx 3ft x 5ft short ~1ft legs. $25 925-447-2697

Official Soap Box derby car. $50. 415-928-4469

Ladies Ski Clothes. Down vest,jacket and bibs. Fits size 10-12.$30.00 for all. Ski boots Nordica Air System.Ladies size 6 1/2. $10.00 925-634-4831

Santa Cruz snow board 162 $200, Burton step-in boots & bindings $200, both like new or Burton boots with strap bindings $100 OBO 510-783-9923

FISHING rods for sale, trigger handles. All are used and in good shape. 925-443-2114

Pool table for kids. 5x2.5 feet. Complete. $45- 925-828-3143

SERVICES

Fences & Deck, Replacement & Repair 925-292-1581

Just got a raise? Does your house need cleaning? Let me clean your house for the holidays and keep it clean thereafter. 209-836-9082

Roofing, 28 yrs experience, fully insured, free estimates 925-454-9200

SHARED HOUSING

Livermore - Room in 3bd/2ba home-shared bath, $550m+1/3 utilities.Great location,quiet, clean, and comfortable for the right person.Pref-Female, N/S,N/P 925-819-0407

Livermore - Room for rent. Non/smok, $500.00 mo., all privileges. 925-449-1474

TRUCKS & TRAILERS

1974 - VAN Ford E300 low mileage runs good. $1,400. 925-443-1172

1979 - Chevy 1/2 ton rebuild transmission new brakes new wheels 3,300 obo 925-447-0558

1997 - Ram 1500SLT,5.9 4x4X-cabw/s.b. Flame Red, good 265/75R, options galore,cliff. alarm & nerf bars,$12,500. 925-606-5669

1999 - Dodge Ram 1500 SLT Lariat Quad Cab 5.9L,Tow Pkg,Power Everything,AM/FM Cassette,18000 or B.O. Must Sell! 209-632-4568

1989 - GMC S15 Longbed PU, Green. A/C, AM/FM Cass. 2.8 liter V-6, 5 spd. 27 MPG. 225k $1,600 or B/O. 209-848-4849

1978 - Chevy Luv Pick-up, long bed, 4 cyl, 4 speed, new ext. paint, smogged, original owner, runs great, 119K miles, must see, $1,700 510-538-7444

91 - Chevy, Z71, 4x4, 350, automatic, power windows and doors. Tilt, CC, AC, CD and Camper Shell. $8,000. 209-892-6720

1996 - Dodge Ram 2500 SLT Plus, Long Bed, Club Cab, 2WD, V-10. 106,000 mi, Perfect Condition, $9,900.00 209-962-7431

1989 - GMC S15 Jimmy, 4.6L V6, 123K miles, Auto, PS/PB/PW/PDL/CD, towing pkg, clean int/ext, very good running condition, 1 owner, all records, $4,100/obo. 209-823-8270

93 - White, 5 speed Chevy S-10, v-6, bed liner, new cd player, new clutch 172k, great shape. $2700(obo) 925-634-0117

1984 - Ford Ranger 4X4, five speed, six cyl with fiberglass shell and grill guard good condition make offer over $3,000 925-449-8297

VACATION RENTALS

Pinecrest - †cabin available near Dodge Ridge skiing. 3 bdrm/2 bath, fireplace w/wood, microwave, pool table, level cleared access to covered parking, $195/wknd 925-449-5513

SOUTH LAKE TAHOE - 3 Bedroom 2 Bath Chalet, nicely furnished,all amenities,close to all skiing, Reserve Holidays/Skiing Now!New Years week OPEN! 209-599-4644

Maui - Condo-RCI Gold Crown 1 bd, 2 ba, sleeps 4, one week avail. May 9-16 or trade for other times. 925-447-0856

12000 Trade West credits/may also be used with RCI. $500.00 925-634-0117

HAENA, KAUAI - - Private house and/or studio on the scenic north coast near Hanalei Bay - this is the real Hawaii! House-$125/day, studio-$75/day. 831-479-3441

WANTED

Battery operated toy motorcycles that your ride on for 4 year olds. (One brown for a boy, one pink one for a girl.) 925-449-7525

Bayonets and insignia wanted, US made. 209-835-4281

Whites metal detector xlt or xlt-e, call after 5 pm. 209-529-7209

Due to space limitations, *Newsline* may withhold ads that have already run. They will still appear on the Web.

NEWS YOU CAN USE

50th

Continued from page 1

Lawrence Livermore National Laboratory
Making History Making a Difference
1952-2002

tions to the nation. Also planned are special editions of *Newsline*, an open house, community tours of various Lab facilities and much more. Laboratory employees will also receive special commemorative calendars at the end of the month.

More information on the 50th anniversary will appear on the Lab's Website. A copy of the new logo can be found at http://www/llnl.gov/llnl/06news/news.html

Do you have
Safety Questions?

Check out this new Web site for information on how to get help with safety questions.

http://www-r.llnl.gov/es_and_h/safety_help/

You can also access this page from the Grapevine or from the Grapevine Index.

Teams submit initial recommendations

Survey Action Teams this week presented initial recommendations in response to the employee survey, "Assessing the Workplace." The recommendations will include both short and long term suggestions that will improve communications between supervisors and employees, training opportunities, work/life balance, employee empowerment and much more.

Most teams recommended plans for improving overall communication between managers and employees. Many of the teams cited a number of Lab programs already in place to improve the institutional areas targeted by the survey: Pay, Benefits and Recognition; Career Development and Training; Performance Management; Work/Life Balance and Employee Empowerment. Survey Action Teams are also looking at issues specific to the 800/900 job classification series and postdocs.

The Survey Action Teams found many employees do not know what is available to them, and not all managers do an adequate job of communicating such resources or services. The teams outlined various communication plans and supervisor training opportunities to improve awareness.

Among the other recommendations are consistent career development and training opportunities, better understanding of the performance management and salary systems, adding services such as exercise programs, additional food service options, and exploring the feasibility of adding 9/80 work weeks as a scheduling option. However, many of these recommendations will require further study, according to the various action team members.

The Survey Action Steering Committee will now assess those recommendations and provide feedback to the various action teams. Any revisions to those recommendations will be submitted by Jan. 4; the action teams and steering committee will begin integration and consolidation of the recommendations on Jan. 9.

The steering committee will present its final integration and consolidation of recommendations back to the action teams on Jan. 22. All final recommendations will be given to Director Bruce Tarter for discussion and action at the Senior Management Offsite in February.

ASSESSING THE WORKPLACE

Technical Meeting Calendar

Friday 7

H DIVISION
"Carbon Nanotube as a Model System for Nanoscale Science," by Hongjie Dai, Stanford University. 10 a.m., Bldg. 219, room 163 (badge required). Contacts: Giulia Galli, 3-4223, or Darlene Klein, 4-4844.

INSTITUTE FOR GEOPHYSICS & PLANETARY PHYSICS
"The Formation and Evolution of Field Early-Type Galaxies," by Treu Tommaso , Caltech. Noon, Bldg. 319, room 205 (badge required). Contacts: Adam Stanford, 3-6013, or Joanna Allen, 3-0621.

MATERIALS SCIENCE & TECHNOLOGY
"Temperature-Dependent Properties of Radiation Damage in fcc Pu(Ga): Defect Kinetics and Electron Scattering," by Mike Fluss. 3:30 p.m., Bldg. 235, room 1090 (uncleared area). Coffee and cookies will be served at 3:20 p.m. Contact: Thomas E. Felter, 2-8012.

Tuesday 11

CHEMISTRY & MATERIALS SCIENCE
"The Materials and Chemistry of NIF," by Lloyd Hackel, discussing laser materials and materials science with lasers. 10:30 a.m., Bldg. 235, room 1090 (uncleared area). Contacts: Tomás Diáz de la Rubia, 2-6714, or Lisa Rose-Webb, 2-5609.

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH
"Multiscale Molecular Computation," by Achi Brandt, Weizmann Institute of Science. 10 a.m., Bldg. 451, room 1025 (uncleared area). Contacts: Van Henson, 3-4283, or Leslie Bills, 3-8927.

Wednesday 12

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH
"Variational Grid Adaptation Based on the Modified Equation Error Estimator," by Giovanni Lapenta, Los Alamos National Laboratory. 10 a.m., Bldg. 451, room 1025 (uncleared area). Contacts: Rick Pember, 2-4549, or Leslie Bills, 3-8927.

MATERIALS RESEARCH INSTITUTE
"Stabilization of Human Blood Platelets in the Dry State: Lessons from Nature," by John Crowe, UC Davis. 3:30 p.m., Bldg. 219, room 163 (badge required). Contact: Laura E. Garcia-Martinez, 2-0620.

The deadline for the next Technical Meeting Calendar is noon, Wednesday.

Thursday 13

V DIVSION
"Calculating All of the Warts, Stars in 3D", by David Dearborn. 10:30 a.m., Bldg. 219, room 163 (badge required). Contact Kevin Fournier, 3-6129.

Friday 14

INSTITUTE FOR SCIENTIFIC COMPUTING RESEARCH
"Introduction to the Sheaf Data Management System," by David Butler, Limit Point Systems, Inc. 10 a.m., Bldg. 551W, room 1400. Contacts: Ghaleb Abdulla, 3-5947, or Leslie Bills, 3-8927.

DEFENSE & NUCLEAR TECHNOLOGIES
"Recent Evidence of Plutonium Aging: Its Interpretation and Implications," by Bill Wolfer. 10:30 a.m., Bldg. 132 auditorium, room 1000 (cleared area). SP access is required. Contact: Mark Herrmann, 2-6999.

LINAC FACILITY
LINAC Open House. 10 a.m. to 1 p.m., Bldg. 194. The LLNL electron-positron linac facility will hold an open house to showcase new capabilities added recently. All LLNL employees are invited to participate. Contact: Dennis Slaughter, 2-6425.

THE BACK PAGE

GRABOSKE

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The Laboratory was created to help enhance national security and that is as true today as it was in 1952. I look forward to watching our next generation of leaders continue these contributions of great science in support of national security."

Director Bruce Tarter accepted Graboske's resignation. Jeff Wadsworth, deputy director for Science and Technology, will head the search for a new associate director.

"I've very much enjoyed working with Hal in all capacities," Tarter said. "Our careers have essentially been intertwined for more than 30 years. We've worked together as scientists, as division leaders, as my deputy in Physics and in his recent role as associate director. Hal has had a splendid career and has made many contributions to the Laboratory, and Chemistry and Materials Science in particular. He will be missed by all of us."

Graboske began his career at LLNL as a postdoctoral researcher, working with materials at extreme conditions, thermodynamic properties of low mass stars, giant planets and as well as applied studies in weapons materials. In 1980 he became division leader in shock physics. Also in 1980, he managed the materials physics R&D program in the weapons area and in 1984, coordinated the creation of V Division — for performing high energy density physics in support of advanced weapons concepts.

In 1989, Graboske became the principal deputy associate director in the Physics Directorate, which evolved to become the Physical Sciences Directorate under Tarter's leadership, and then in 1994 merged with Test Program to become Physics and Space Technology.

Under Graboske's leadership, Chemistry and Materials Science has worked with Defense and Nuclear Technologies to strengthen the materials and chemistry elements of Stockpile Stewardship; worked with the NIF Directorate to create, produce and test the new laser and optical materials needed for the National Ignition Facility, the world's largest laser; and collaborated with NAI on inventing new technologies and new processes for countering weapons of mass destruction.

C&MS has also worked closely with the Energy and Environment Directorate in the Lab's work on the Yucca Mountain Program and in creating new energy technologies. Scientifically, the directorate staff has won awards for laser materials, radiation detection technologies and crystal growth, and has, jointly with the Dubna Laboratory, discovered two new elements.

Graboske received a B.S. from the Massachusetts Institute of Technology, and an M.S. in Physics and a Ph.D. in Astronomy from the University of Michigan. He is a member of the American Astronomical Society, the American Physical Society, the Materials Research Society and the American Chemical Society.

Getting acquainted

JULIE KORHUMMEL/NEWSLINE

Livermore's newly installed Mayor Marshall Kamena is greeted on his first official visit to the Lab Tuesday by Director Bruce Tarter (right) and Dave Leary (center). The mayor took a windshield tour of the site, was given an overview by Lee Younker and lunched with Tarter and Deputy Director Jeff Wadsworth, among others.

VOLCANO

Continued from page 3

face and in the lower troposphere are due to the effects of volcanic eruptions and stratospheric ozone depletion," said Santer, who works in LLNL's Program for Climate Model Diagnosis and Intercomparison and is lead author of the JGR-A paper. "Both of these factors probably cooled the lower troposphere by more than the surface, for physical reasons that are well-understood. Without ozone depletion and the recent eruptions of El Chichon and Pinatubo, it is highly likely that the lower troposphere would have warmed over the last two decades."

Results from numerical models of the climate system reinforce these conclusions. Computer model experiments examined by the LLNL scientists suggest that it is important to include the effects of volcanoes and stratospheric ozone depletion (in addition to changes in other greenhouse gases, such as carbon dioxide and methane). Doing so brings simulated surface and tropospheric temperature changes into better agreement with the observations.

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TARTER

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Human Genome Project and the partnership with the semiconductor industry on Extreme Ultraviolet Technology, the next-generation computer chip. Tarter also effectively guided the Laboratory through a crucial period of security and other operational concerns.

Tarter's announcement that he will leave in 2002 is "a decision I have accepted with regret," said UC President Richard C. Atkinson. "For the past seven years, Director Tarter has been a strong and imaginative leader during a period of extraordinary challenges." Atkinson noted that Tarter's leadership is a "major reason for the superb state of the Laboratory and the high regard in which it is held."

Atkinson said he will immediately appoint a committee to begin the search for Tarter's successor. It is a process that typically lasts a number of months. "I am grateful to him for agreeing to stay on as director until a replacement can be found," he said.

Tarter, a theoretical physicist by training and experience, has spent most of his career at the Laboratory. He received his bachelor's degree in physics from the Massachusetts Institute of Technology and a Ph.D from Cornell University. His career at LLNL began in 1967 as a staff member in the Theoretical Physics Division. He became head of that division in 1978. During the 1980s, Tarter became a Laboratory leader in establishing strong institutional ties with the University of California, and helped to guide the Laboratory by serving as a member of LLNL's long-range planning committee. In 1988, he joined the ranks of senior management as associate director for Physics — a position he expanded to include weapons physics, space technology leading to the Clementine mission to the moon, and a broadly based environmental program in global climate and other environmental research.

Prior to his selection as director, Tarter served as deputy director and acting director. In these roles he led the Lab through the transition to a post-Cold War nuclear weapons world, helping to set the foundation for current programs in stewardship of the U.S. nuclear stockpile and nonproliferation, energy and environmental science, bioscience and biotechnology.

In addition to his Laboratory activities, Tarter has a number of professional affiliations. He is an adjunct professor at UC Davis and a long-term member of the California Council on Science and Technology, among others. He is a Fellow of the American Physical Society and received the Roosevelts Gold Medal Award for Science in November 1998.

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